

California Postsecondary Education Commission**Improving Teacher Quality State Grants Program****Project Description**

Project Title	Cal Poly SLO/CSU Bakersfield Mathematics Project STIR		
Grant Amount: \$124010	Grant Period: February 1, 2007- May 31, 2008		
Grade Level: 6-12	Subject Matter: Mathematics		
Institute of Higher Education	Cal Poly SLO/ CSU Bakersfield		
Local Education Agency	Kern High School District		
Additional Partners:			
Need for Project/ Population To Be Served:	<p>A program improvement district, Kern High School District (KHSD), is the largest and among the fastest growing districts in California. It currently has 17 comprehensive and 5 continuation sites in the greater Bakersfield area, and will open 2 new comprehensive high schools in Fall of 2008. KHSD hires 20 to 30 new teachers of mathematics annually, twice the annual output of Mathematics majors from CSUB, the only baccalaureate granting institution within 100 miles. A significant proportion of these new teachers do not have subject matter competence and a large majority of the new teachers are entering the profession before obtaining a teaching credential.</p>		
Project Goals:	<p>The goals of this project are to increase content and pedagogical knowledge in mathematics teachers in their first years, resulting in an increase in retention of mathematics teachers in Kern High School District.</p>		
Summary of Activities:	<p>Cohort I will attend Professional Development Institutes during years I and II and will complete the eight courses in the Master in Art in Teaching Mathematics at CSU Bakersfield during years I, II, and III. Quarterly meetings will occur and Cohort I will participate in discussions via a LISTSERV. During year IV, Cohort I will attend and participate in the San Joaquin Valley Mathematics Project and the Cal Poly SLO/CSU Bakersfield Joint Leadership Retreat in Three Rivers, Ca. Also in year IV, the new group of 10 teachers for Cohort I will participate in a CSET Preparation Institute. In year V, a CSET Preparation Institute will occur for Cohort II.</p>		
Outcomes Expected:	<p>Teachers participating in the retention cohort professional development will have a higher teacher retention rate and engage in more leadership and career enhancement activities than teachers in the comparison cohort. Additionally, retention cohort teachers will show increases in mathematics content knowledge as a result of participation.</p>		
Teachers Served	47	Students Served	25,000
Project Website:			
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